Attorney of Record: Douglas A. Mullen (202-457-0160)

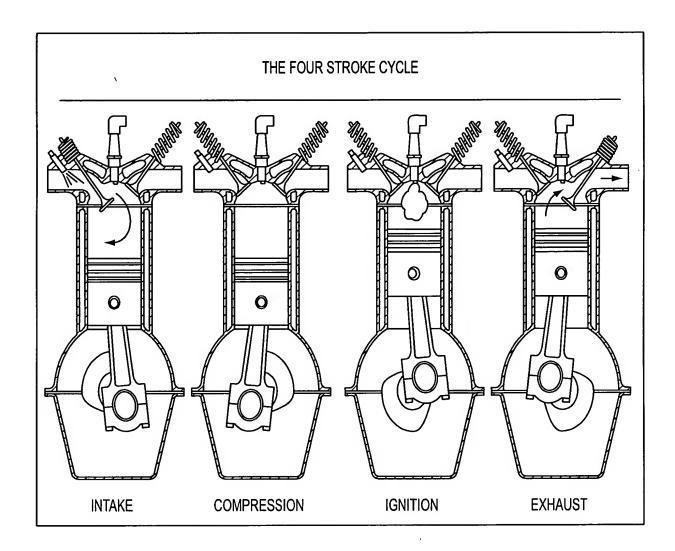
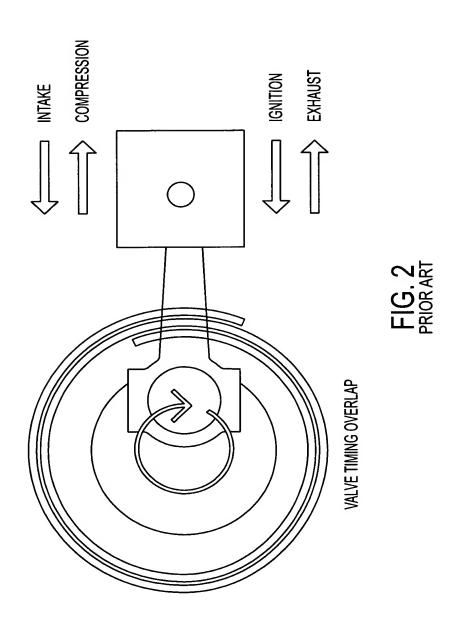


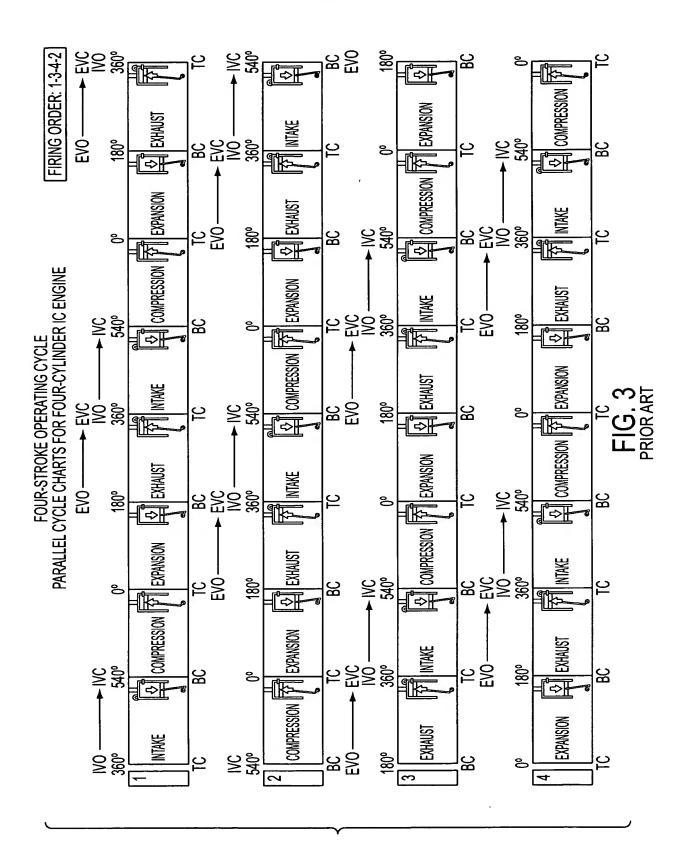
FIG. 1 PRIOR ART

Inventor(s): Guoming G. Zhu
Title: An Ionization Detection System Architecture To Minimize PCM Pin Count Attorney Docket: 46107-0068
Attorney of Record: Douglas A. Mullen (202-457-0160)



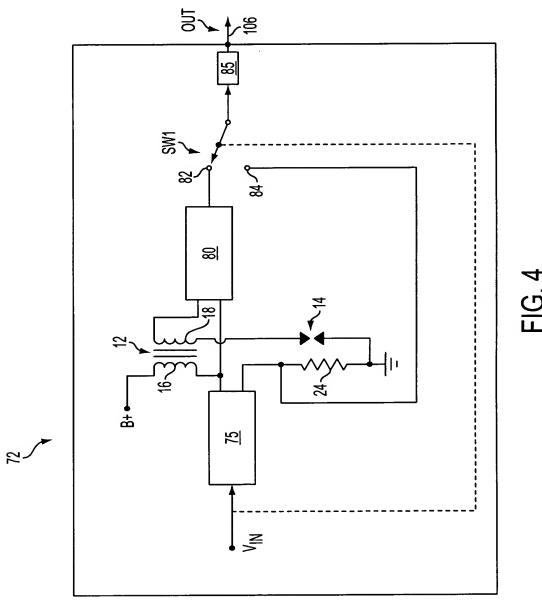
Inventor(s): Guoming G. Zhu
Title: An Ionization Detection System Architecture To Minimize PCM Pin Count
Attorney Docket: 46107-0068

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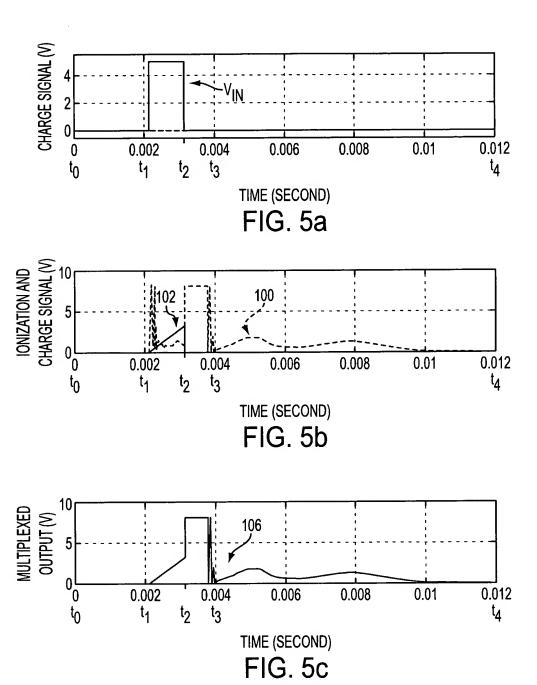


Inventor(s): Guoming G. Zhu
Title: An Ionization Detection System Architecture To Minimize PCM Pin Count

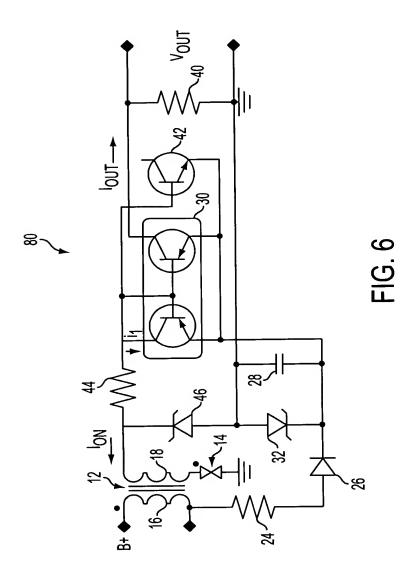
Attorney Docket: 46107-0068
Attorney of Record: Douglas A. Mullen (202-457-0160)



Inventor(s): Guoming G. Zhu
Title: An Ionization Detection System Architecture To Minimize PCM Pin Count
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Inventor(s): Guoming G. Zhu
Title: An Ionization Detection System Architecture To Minimize PCM Pin Count
Attorney Docket: 46107-0068
Attorney of Record: Douglas A. Mullen (202-457-0160)



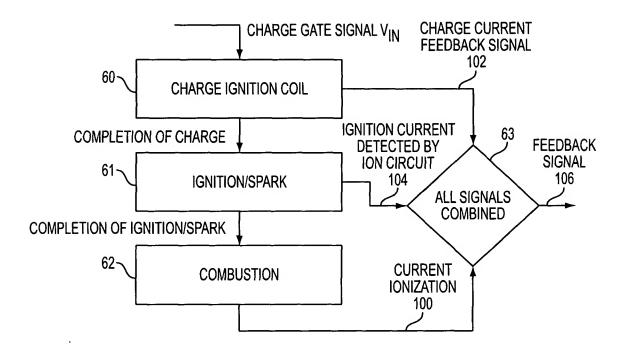


FIG. 7

•

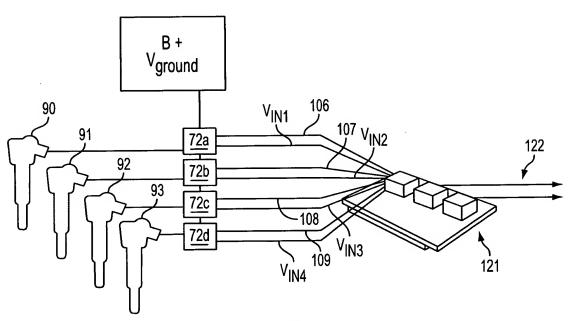
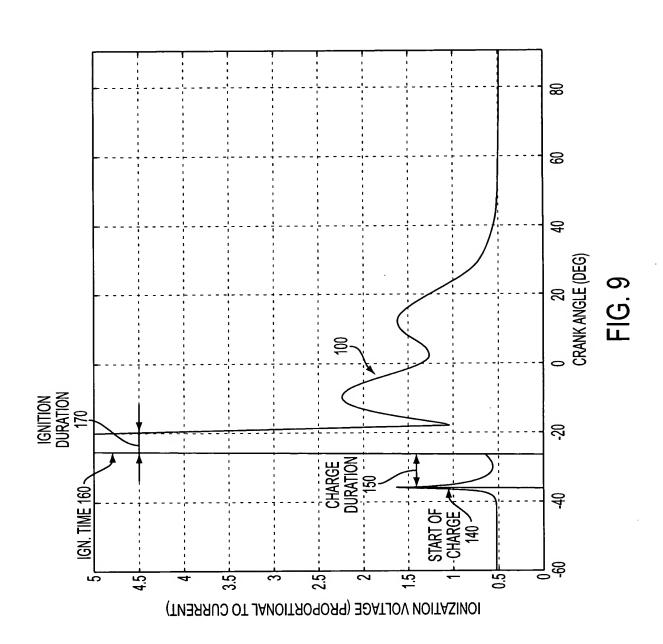


FIG. 8 PRIOR ART

Attorney of Record: Douglas A. Mullen (202-457-0160)



Inventor(s): Guoming G. Zhu
Title: An Ionization Detection System Architecture To Minimize PCM Pin Count

Attorney Docket: 46107-0068

Attorney of Record: Douglas A. Mullen (202-457-0160)

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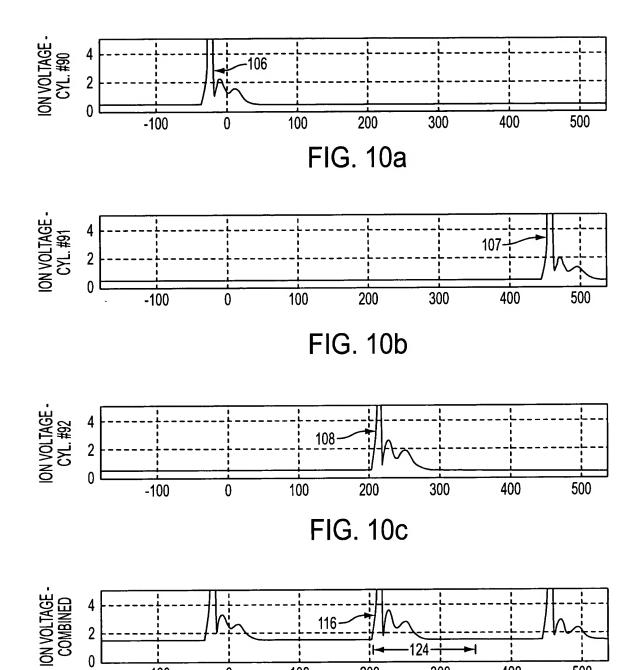


FIG. 10d

200

100

0

124

300

400

500

2

0

-100

Attorney of Record: Douglas A. Mullen (202-457-0160)

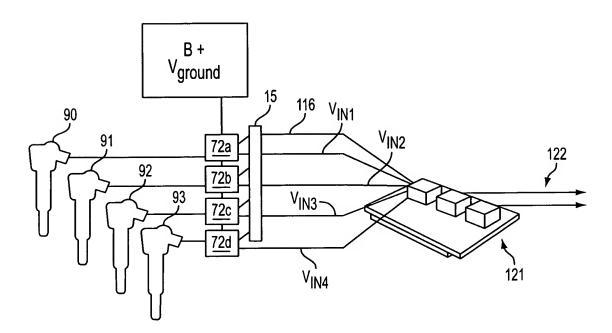


FIG. 11

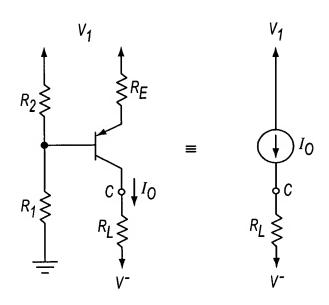


FIG. 12

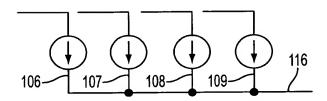


FIG. 13

Attorney of Record: Douglas A. Mullen (202-457-0160)

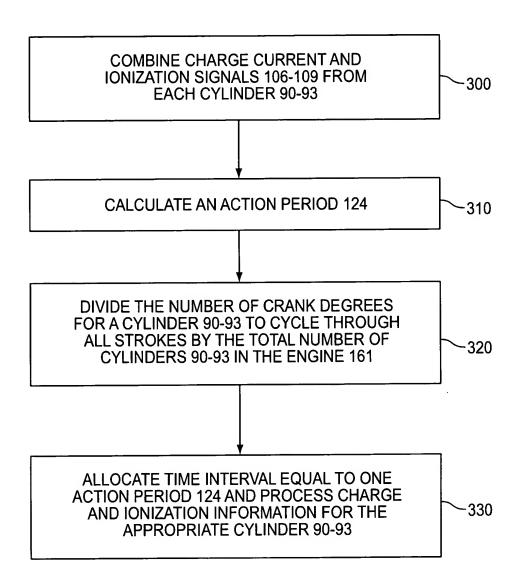


FIG. 14

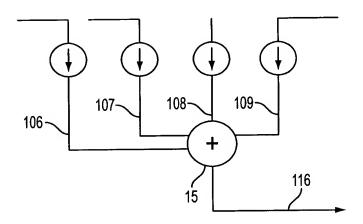


FIG. 15

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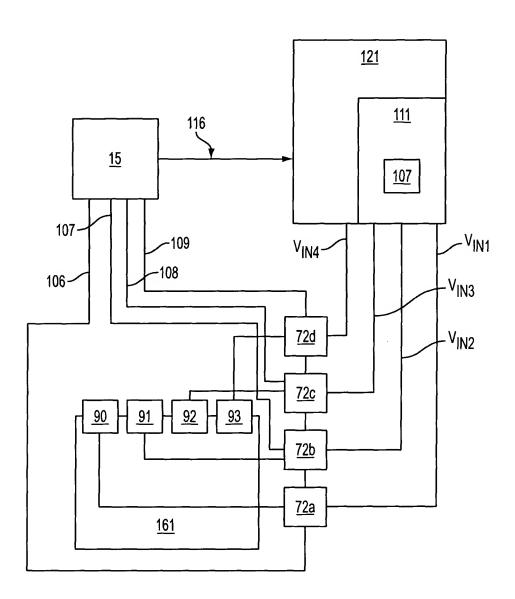


FIG. 16